## 15. VISIN 16. LAUNDRY 17. WAREHOUSE 18. BOILER PLANT 19. CHAPEL 21. ENGINEERING, ENDOSCOPE, PODIATRY, ONCOLOGY, SLEEP CLINIC, 22. FLAG POLE 23. GARAGES 24. R.M.&S STORAGE 25. R.M.&S. STORAGE 28. ENGINEERNG PAINT SHOP 29. R.M.&S. STORAGE 30. GREENHOUSE 31. CHILLER PLANT 32. GENERATOR BUILDING W.G.(Bill) HEFNER MEDICAL CENTER 33. SWITCHGEAR BUILDING 34. GENERATOR BUILDING 35. GENERATOR BUILDING SALISBURY, NORTH CAROLINA

Contractor shall completely prepare site for operations, furnish labor, and materials to perform work for the Building 21 Crawl space as required by drawings and specifications. Remove debris from crawl space, Grade earth in space so that water flows toward the west side of the crawl space to the drain pit locations, and from the west side to the pit location. Install interior drains, provided sump pumps, seal the crawl space, Install liner, and install provided dehumidifying system. Install electrical components, and insulate outer walls of crawl space.

The contractor shall install an interior French drain with a 4 inch perforated corrugated pipe wrapped in silk screening material and protected with a gravel bed. The pipe will generally be placed 12 to 18 inches off the footer so as not to disrupt any termite treatment field the drain will average 10 inches wide and 12 inches deep.

The contractor shall dig twelve (12) 24-36 inch deep by 6 feet in diameter sump pits per drawing, and grading the earth in the crawl space from the outer walls to the sump pits. The drain system will be tied into the 12 different sump pits. These pits with will consist of a perforated polyethylene liner installed in the hole surrounded by crushed stone with a solid cover including a drain for any surface water that may come from above. A 1/3 hp sump pump, with a check valve and 1 1/2 inch PVC discharge pipe will take all the channeled water and pump it out of the crawlspace through an drain pipe and away from the foundation.

There will be cut through the foundation wall a hole large enough for an 18" pipe to exit the building. The sump pumps will be piped to this location by drawing and will be attached and sealed into an 18 inch double walled pipe that will be extended to the storm water ditch located south west of the building by the existing city discharge culvert.

Each unit can pump 5000 gallons per hour with the system total of 60,000 gallons per hour.

The contractor is to install a 42 space 225 amp breaker panel in the basement area by crawl space the power is to be ran from room BC-116 the contractor shall find and procure a suitable 300 amp breaker for the switch gear and install The contractor shall make the connection according NEC in conduit and copper wire. From equipment to the breaker panel the contractor shall use solid number 12 THHN copper wire to each sump pump and dehumidifier in crawlspace of building 21. The wire will be encased in three-quarter inch EMT pipe with compression fittings installation and will include hangers and breakers were necessary according to the NEC. This will be connected to the new power panel in the basement adjacent to the crawl

The contractor is to install eight (8) commercial Santa Fe Max Dry Dual XT and dehumidifiers Provided by the VA. To ensure optimal performance, the air inlet and the outlet of the unit will be at least 1 inch from walls and other obstacles to airflow. They will be placed on for anti-vibration steel spring tight suspension mounts with four per unit. The condensate drains shall be attached in a manner to allow water to flow away from the unit by gravity via the drain port. Three-quarter inch PVC drainage pipe to the sump pits from each Santa Fe dehumidifier.

Each Santa Fe dehumidifier can extract up to 150 pints of moisture per day total system moisture extraction up to 75 gallons

The contractor will have Bora—care with Mold—care dilution applied to the insulation covering the water piping in crawlspace where moisture has discolored it over time.

The contractor is to install 6 mm three layer laminated polyethylene wall liner paper retarded along the length of the interior foundation wall seal at top of foundation wall and bottom 24 liners rap peers with six mill three playa polyethylene liner. Fasten 1 1/2 inch Dowel Thermax insulation board to all exterior masonry wall over wall liner. Apply foam insulation to seal all penetrations from crawlspace to living area. Install 12 mm three ply polyethylene for liner to soil to climate control areas of

crawlspace. Tape liner to wall and all peer liners and insulate before installation. Seal all joints with 4 inch adhesive tape.

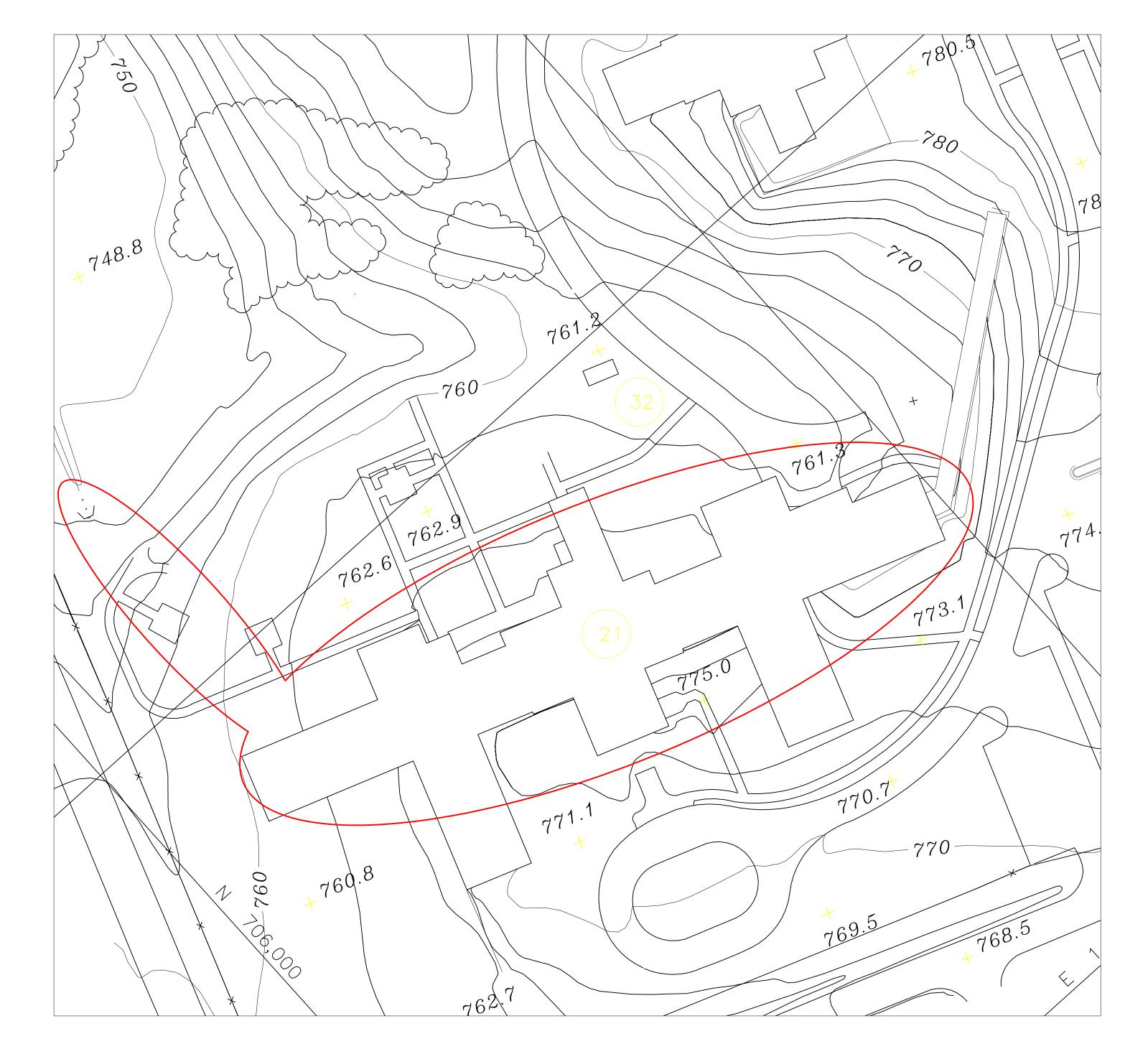
Liner and insulate will close crawlspace to outside air to create conditioned air environment to control humidity levels throughout crawlspace to promote clean and healthy air in the living area and working areas above.

Crawlspace humidity levels shall be centrally monitored. Panel is to be mounted in basement near new electrical panel.

The contractor is to provide the Monitoring device The Santa Fe # 4026208 or equivalent.

The contractor is to remove all construction debris from the crawlspace and disp[ose of according to all applicable laws.

## DEPARTMENT OF VETERANS AFFAIRS BUILDING 21 CRAWL SPACE MOLD PREVENTION



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A AREMER AND STATED		7
VA MEDICAL CENTER  No.  1601 BRENNER AVE.  SALISBURY, NC	SALISBURY 1-85	
S. MAIN ST.	EXIT 76	
CHARLOTTE	95	
(P). 670) EXIT 75		

Date

36. GENERATOR BUILDING 37. GENERATOR BUILDING 38. GENERATOR BUILDING

40. GROUNDS STORAGE SHELTER

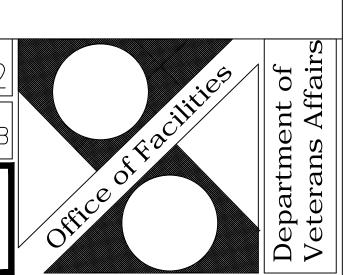
42. GEROPSYCHIATRIC BUILDING

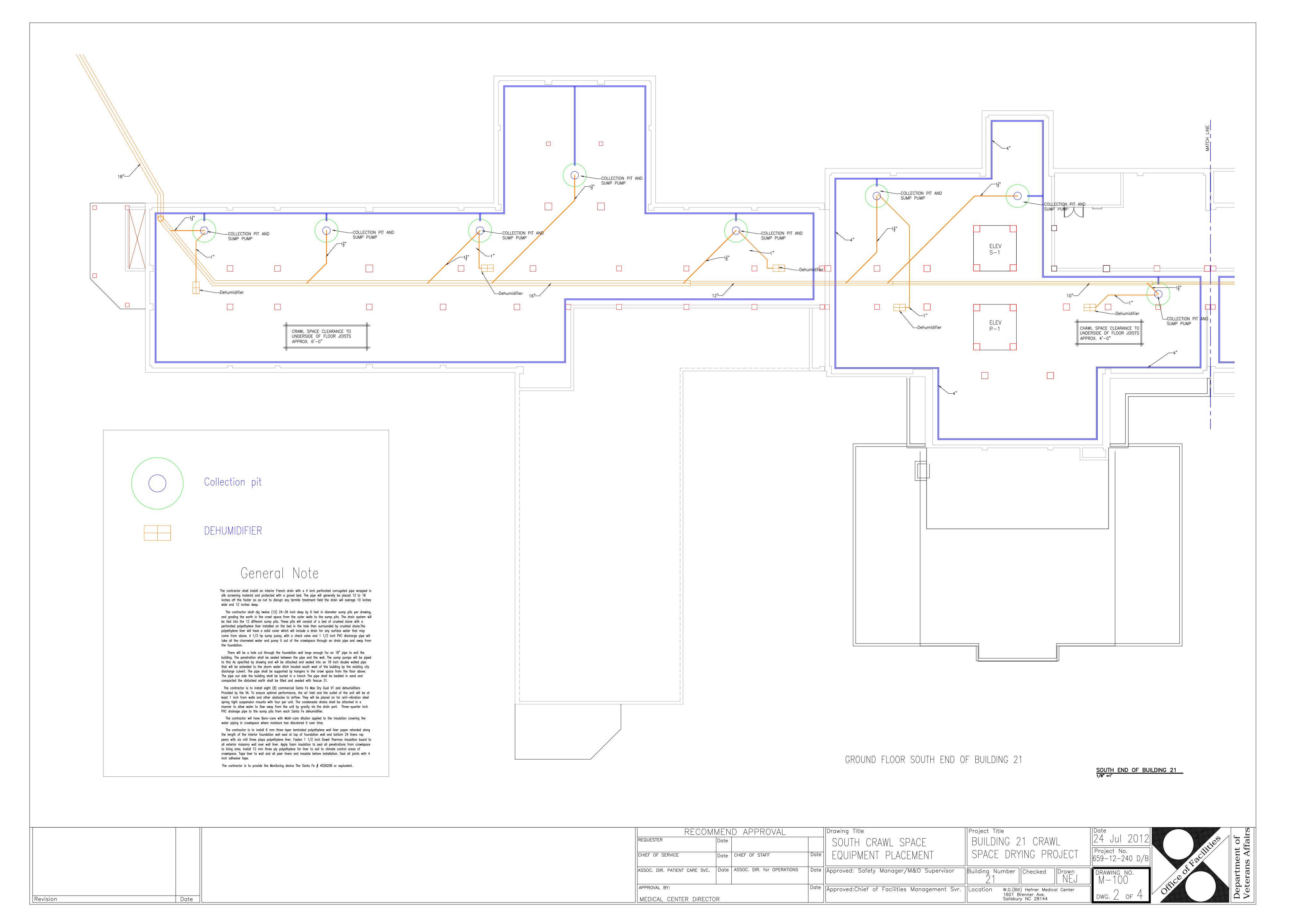
39. PICINIC SHELTER

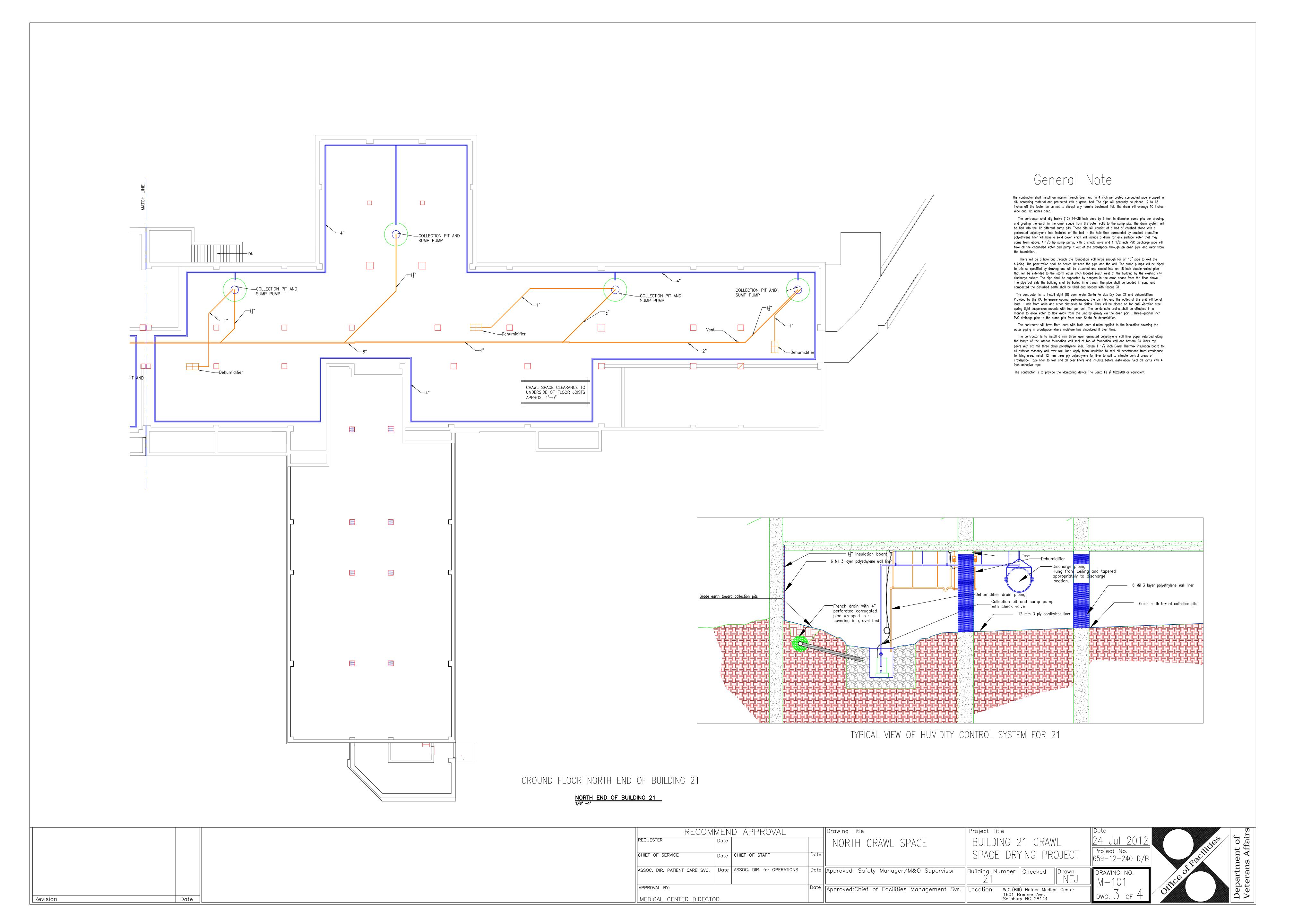
41. NCA SHELTER

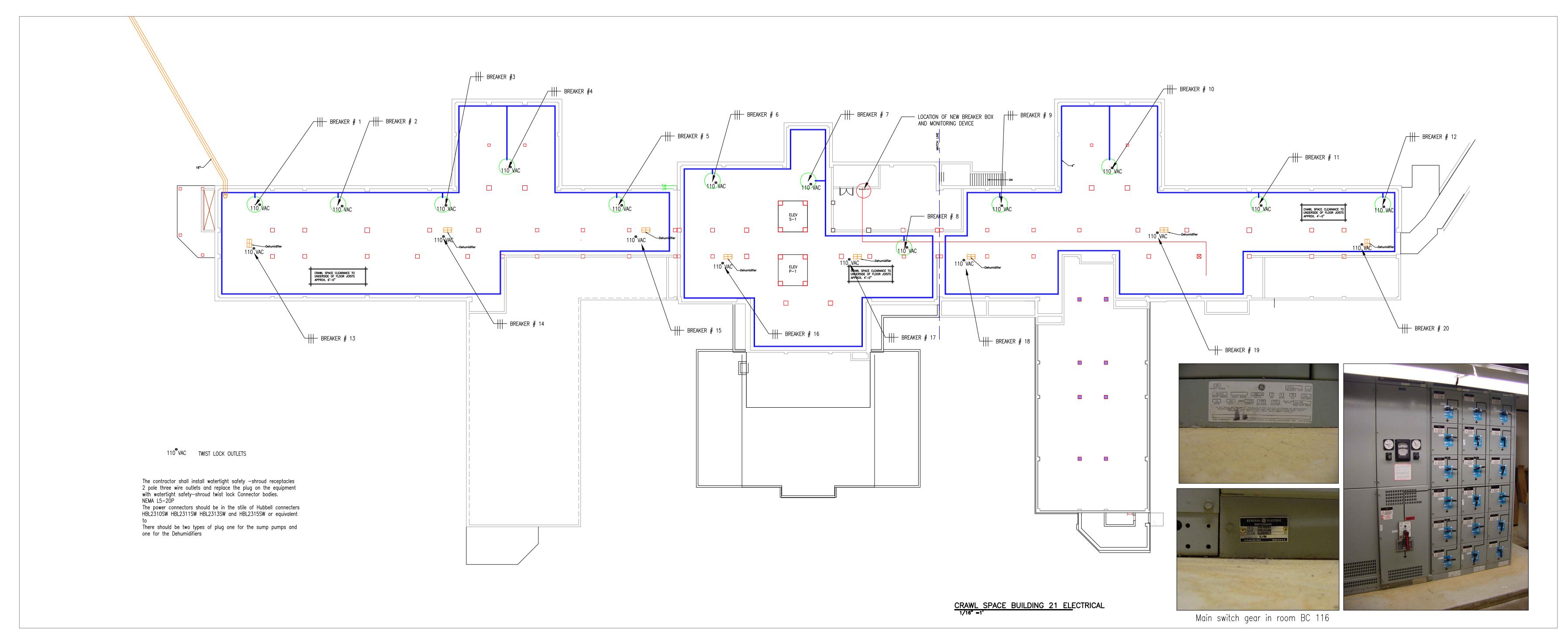
Revision

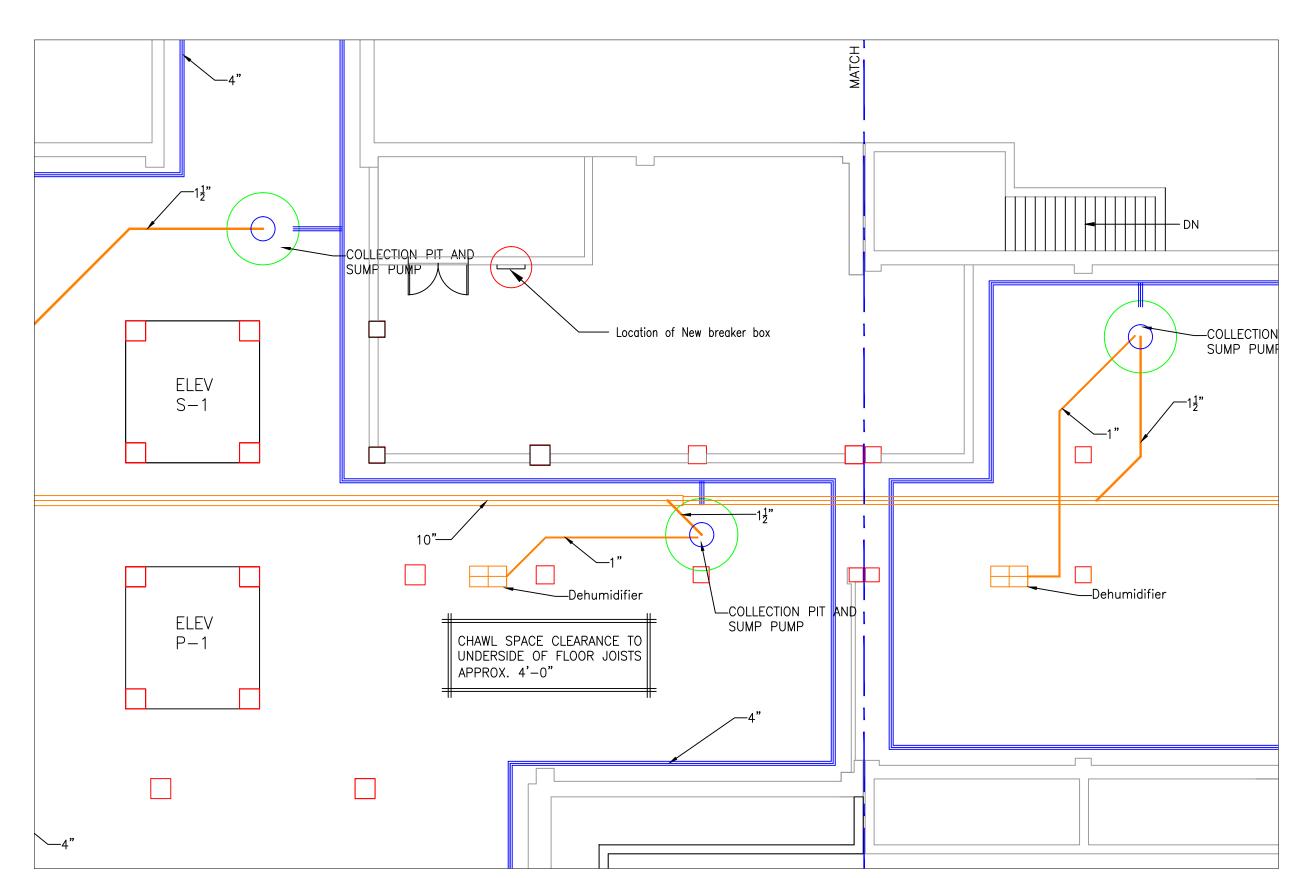
RECOMI	MEND APPROVAL		Drawing Title	Project Title	Date
REQUESTER	Date		COVER SHEET	BUILDING 21 CRAWL	24 Jul 2012
CHIEF OF SERVICE	Date CHIEF OF STAFF	Date		SPACE DRYING PROJECT	Project No. 659-12-240 D/B
ASSOC. DIR. PATIENT CARE SVC.	Date ASSOC. DIR. for OPERATIONS	Date	Approved: Safety Manager/M&O Supervisor	Building Number Checked Drawn NEJ	drawing no.
APPROVAL BY:  MEDICAL CENTER DIRECTO	)R	Date	Approved:Chief of Facilities Management Svr.	Location W.G.(Bill) Hefner Medical Center 1601 Brenner Ave. Salisbury NC 28144	DWG. 1 OF 4











Date

Revision

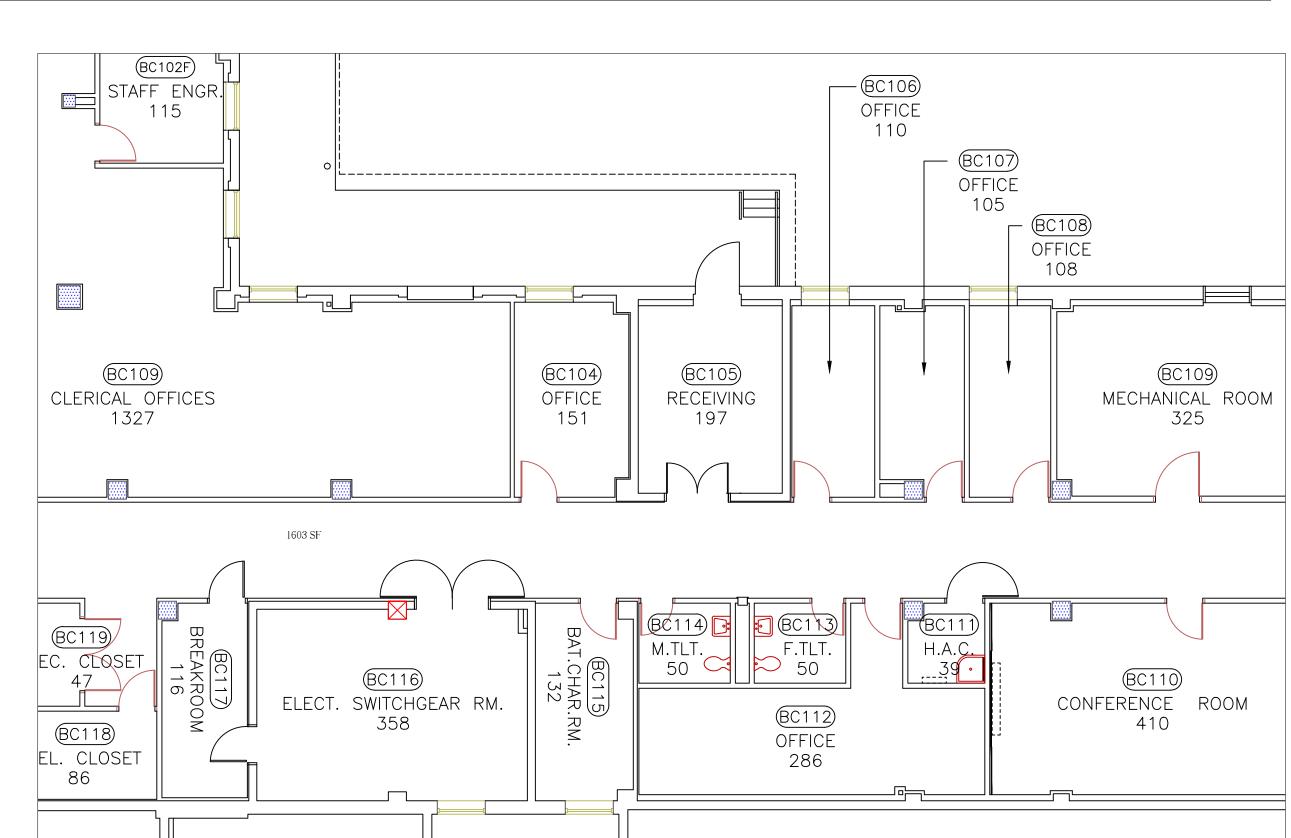
SUB-BASEMENT MECHANICAL ROOM / CRAWL SPACE BUILDING 21

CRAWL SPACE BUILDING 21 BREAKER BOX ADDITION

The contractor is to install a 42 space 4 wire 225 amp 208 Volt ac 60 HZ breaker panel in the basement area by crawl space. The power is to be ran from room BC-116 the contractor shall find and procure a suitable 300 amp breaker for the switch gear and install The contractor shall make the connection according NEC in conduit and copper wire. From equipment to the breaker panel the contractor shall use solid number 12 THHN copper wire to each sump pump and dehumidifier in crawlspace of building 21. The wire will be encased in three-quarter inch EMT pipe with compression fittings installation and will include hangers and breakers were necessary according to the NEC. This will be connected to the new power panel in the basement adjacent to the crawl space.

Contractor to provide breakers for the equipment and main switch gear breaker.

The contractor is to provide the Monitoring device The Santa Fe # 4026208 or equivalent.



GROUND FLOOR NORTH END OF BUILDING 21

RECOM	MEN	D APPROVAL		Drawing Title	Project Title	Date	
	Date			ELECTRICAL	BUILDING 21 CRAWL	24 Jul 2012	
IIEF OF SERVICE	Date	CHIEF OF STAFF	Date		SPACE DRYING PROJECT	Project No.   659-12-240 D/B	
SOC. DIR. PATIENT CARE SVC.	Date	ASSOC. DIR. for OPERATIONS	Date	Approved: Safety Manager/M&O Supervisor	Building Number Checked Drawn	DRAWING NO. E-100	/
PROVAL BY:			Date	Approved:Chief of Facilities Management Svr.	1601 Brenner Ave.	Dwg. 4 of 4	
<u>IEDICAL CENTER DIRECTOI</u>	R				Salisbury NC 28144		